OIPE

RAW SEQUENCE LISTING   DATE: 01/08/2002
PATENT APPLICATION: US/10/014,162   TIME: 13:01:16

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01082002\J014162.raw

P.S

ENTERED

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    4 <110> APPLICANT: Usdin, Ted B.
    5        Hoare, Samuel R.J.
    7 <120> TITLE OF INVENTION: PARATHYROID HORMONE RECEPTOR LIGANDS
   10 <130> FILE REFERENCE: NIH175.001C1
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/014,162
C--> 12 <141> CURRENT FILING DATE: 2001-12-11
   12 <150> PRIOR APPLICATION NUMBER: PCT/US00/1677
   13 <151> PRIOR FILING DATE: 2000-06-15
   15 <150> PRIOR APPLICATION NUMBER: 60/139335
   16 <151> PRIOR FILING DATE: 1999-06-15
   18 <160> NUMBER OF SEQ ID NOS: 112
   20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
   22 <210> SEQ ID NO: 1
   23 <211> LENGTH: 39
   24 <212> TYPE: PRT
   25 <213> ORGANISM: Bos taurus
   27 <400> SEQUENCE: 1
   28 Ser Leu Ala Leu Ala Asp Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu
   29 1               5                   10                  15
   30 Leu Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys
   31             20                  25                  30
   32 Leu Leu Val Leu Asp Ala Pro
   33          35
   36 <210> SEQ ID NO: 2
   37 <211> LENGTH: 38
   38 <212> TYPE: PRT
   39 <213> ORGANISM: Bos taurus
   41 <400> SEQUENCE: 2
   42 Leu Ala Leu Ala Asp Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu Leu
   43 1               5                   10                  15
   44 Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu
   45             20                  25                  30
   46 Leu Val Leu Asp Ala Pro
   47          35
   50 <210> SEQ ID NO: 3
   51 <211> LENGTH: 37
   52 <212> TYPE: PRT
   53 <213> ORGANISM: Bos taurus
   55 <400> SEQUENCE: 3
   56 Ala Leu Ala Asp Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu Leu Ala
   57 1               5                   10                  15
   58 Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu
   59             20                  25                  30
   60 Val Leu Asp Ala Pro
   61          35
   64 <210> SEQ ID NO: 4
   65 <211> LENGTH: 36
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     Input Set : A:\PTO.AMC.txt
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 66 <212> TYPE: PRT
 67 <213> ORGANISM: Bos taurus
 69 <400> SEQUENCE: 4
 70 Leu Ala Asp Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu Leu Ala Ala
 71 1               5                   10                  15
 72 Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val
 73             20                  25                  30
 74 Leu Asp Ala Pro
 75          35
 78 <210> SEQ ID NO: 5
 79 <211> LENGTH: 35
 80 <212> TYPE: PRT
 81 <213> ORGANISM: Bos taurus
 83 <400> SEQUENCE: 5
 84 Ala Asp Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu Leu Ala Ala Leu
 85 1               5                   10                  15
 86 Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu
 87             20                  25                  30
 88 Asp Ala Pro
 89          35
 92 <210> SEQ ID NO: 6
 93 <211> LENGTH: 34
 94 <212> TYPE: PRT
 95 <213> ORGANISM: Bos taurus
 97 <400> SEQUENCE: 6
 98 Asp Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu Leu Ala Ala Leu Glu
 99 1               5                   10                  15
100 Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp
101             20                  25                  30
102 Ala Pro
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 33
108 <212> TYPE: PRT
109 <213> ORGANISM: Bos taurus
111 <400> SEQUENCE: 7
112 Asp Ala Ala Phe Arg Glu Arg Ala Arg Leu Leu Ala Ala Leu Glu Arg
113 1               5                   10                  15
114 Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala
115             20                  25                  30
116 Pro
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 32
122 <212> TYPE: PRT
123 <213> ORGANISM: Bos taurus
125 <400> SEQUENCE: 8
126 Ala Ala Phe Arg Glu Arg Ala Arg Leu Leu Ala Ala Leu Glu Arg Arg
127 1               5                   10                  15
128 His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
129             20                  25                  30
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Input Set : A:\PTO.AMC.txt
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132 <210> SEQ ID NO: 9
133 <211> LENGTH: 31
134 <212> TYPE: PRT
135 <213> ORGANISM: Bos taurus
137 <400> SEQUENCE: 9
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139 1               5                   10                  15
140 Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
141             20                  25                  30
142 <210> SEQ ID NO: 10
143 <211> LENGTH: 30
144 <212> TYPE: PRT
145 <213> ORGANISM: Bos taurus
147 <400> SEQUENCE: 10
148 Phe Arg Glu Arg Ala Arg Leu Leu Ala Ala Leu Glu Arg Arg His Trp
149 1               5                   10                  15
150 Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
151             20                  25                  30
154 <210> SEQ ID NO: 11
155 <211> LENGTH: 29
156 <212> TYPE: PRT
157 <213> ORGANISM: Bos taurus
159 <400> SEQUENCE: 11
160 Arg Glu Arg Ala Arg Leu Leu Ala Ala Leu Glu Arg Arg His Trp Leu
161 1               5                   10                  15
162 Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
163             20                  25
166 <210> SEQ ID NO: 12
167 <211> LENGTH: 28
168 <212> TYPE: PRT
169 <213> ORGANISM: Bos taurus
171 <400> SEQUENCE: 12
172 Glu Arg Ala Arg Leu Leu Ala Ala Leu Glu Arg Arg His Trp Leu Asn
173 1               5                   10                  15
174 Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
175             20                  25
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 27
178 <212> TYPE: PRT
179 <213> ORGANISM: Bos taurus
181 <400> SEQUENCE: 13
182 Arg Ala Arg Leu Leu Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser
183 1               5                   10                  15
184 Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
185             20                  25
188 <210> SEQ ID NO: 14
189 <211> LENGTH: 26
190 <212> TYPE: PRT
191 <213> ORGANISM: Bos taurus
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Input Set : A:\PTO.AMC.txt
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```
193 <400> SEQUENCE: 14
194 Ala Arg Leu Leu Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr
195 1           5                   10                  15
196 Met His Lys Leu Leu Val Leu Asp Ala Pro
197             20                  25
198 <210> SEQ ID NO: 15
199 <211> LENGTH: 25
200 <212> TYPE: PRT
201 <213> ORGANISM: Bos taurus
203 <400> SEQUENCE: 15
204 Arg Leu Leu Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met
205 1           5                   10                  15
206 His Lys Leu Leu Val Leu Asp Ala Pro
207             20                  25
210 <210> SEQ ID NO: 16
211 <211> LENGTH: 24
212 <212> TYPE: PRT
213 <213> ORGANISM: Bos taurus
215 <400> SEQUENCE: 16
216 Leu Leu Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His
217 1           5                   10                  15
218 Lys Leu Leu Val Leu Asp Ala Pro
219             20
222 <210> SEQ ID NO: 17
223 <211> LENGTH: 23
224 <212> TYPE: PRT
225 <213> ORGANISM: Bos taurus
227 <400> SEQUENCE: 17
228 Leu Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys
229 1           5                   10                  15
230 Leu Leu Val Leu Asp Ala Pro
231             20
234 <210> SEQ ID NO: 18
235 <211> LENGTH: 22
236 <212> TYPE: PRT
237 <213> ORGANISM: Bos taurus
239 <400> SEQUENCE: 18
240 Ala Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu
241 1           5                   10                  15
242 Leu Val Leu Asp Ala Pro
243             20
246 <210> SEQ ID NO: 19
247 <211> LENGTH: 21
248 <212> TYPE: PRT
249 <213> ORGANISM: Bos taurus
251 <400> SEQUENCE: 19
252 Ala Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu
253 1           5                   10                  15
254 Val Leu Asp Ala Pro
```

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Input Set : A:\PTO.AMC.txt
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255              20
258 <210> SEQ ID NO: 20
259 <211> LENGTH: 20
260 <212> TYPE: PRT
261 <213> ORGANISM: Bos taurus
263 <400> SEQUENCE: 20
264 Leu Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val
265 1               5                   10                  15
266 Leu Asp Ala Pro
267              20
270 <210> SEQ ID NO: 21
271 <211> LENGTH: 19
272 <212> TYPE: PRT
273 <213> ORGANISM: Bos taurus
275 <400> SEQUENCE: 21
276 Glu Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu
277 1               5                   10                  15
278 Asp Ala Pro
282 <210> SEQ ID NO: 22
283 <211> LENGTH: 18
284 <212> TYPE: PRT
285 <213> ORGANISM: Bos taurus
287 <400> SEQUENCE: 22
288 Arg Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp
289 1               5                   10                  15
290 Ala Pro
294 <210> SEQ ID NO: 23
295 <211> LENGTH: 17
296 <212> TYPE: PRT
297 <213> ORGANISM: Bos taurus
299 <400> SEQUENCE: 23
300 Arg His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala
301 1               5                   10                  15
302 Pro
306 <210> SEQ ID NO: 24
307 <211> LENGTH: 16
308 <212> TYPE: PRT
309 <213> ORGANISM: Bos taurus
311 <400> SEQUENCE: 24
312 His Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
313 1               5                   10                  15
316 <210> SEQ ID NO: 25
317 <211> LENGTH: 15
318 <212> TYPE: PRT
319 <213> ORGANISM: Bos taurus
321 <400> SEQUENCE: 25
322 Trp Leu Asn Ser Tyr Met His Lys Leu Leu Val Leu Asp Ala Pro
323 1               5                   10                  15
326 <210> SEQ ID NO: 26
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Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY   DATE: 01/08/2002
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Input Set : A:\PTO.AMC.txt
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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109
L:1273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109